

COLLEGE OF MEDICINE CURRICULUM VITAE

Phyllis Chang, MD, FACS

1-3-03

I. EDUCATIONAL AND PROFESSIONAL HISTORY

A. Institutions attended

Vassar College Poughkeepsie, New York	Biochemistry	BA
Albany Medical College of Union University Albany, New York		MD
New York, License	Inactive	
Albany Medical Center Hospital Albany, New York	Assistant Resident Surgery	
National Board of Medical Examiners	Diplomate	
Albany Medical Center Hospital Clinical Studies Center Trauma Unit Albany, New York	Trauma Fellow	
Albany Medical Center Hospital Albany, New York	Assistant Resident Surgery	
Albany Medical Center Surgery Hospital Albany, New York	Chief Resident Surgery	
Illinois, License	Inactive	
The University of Chicago Hospitals Chicago, Illinois	Resident Plastic Surgery	
American Board of Surgery	Diplomate	
Iowa Permanent Licensure		
Institute of Reconstructive Plastic Surgery New York University Medical Center New York, New York	Hand Fellow	
American Board of Plastic Surgery	Diplomate	
Certificate of Added Qualifications in		

Hand Surgery

American Board of Surgery, Recertification

Diplomate

B. Professional and academic positions held

Staff Surgeon	1989-	The University of Iowa Hospitals and Clinic Plastic and Reconstructive; Orthopaedic Surgery; Otolaryngology-Head and Neck Surgery Iowa City, Iowa
Associate	1989-90	The University of Iowa College of Medicine Plastic and Reconstructive Surgery Department of Surgery Iowa City Iowa
Associate	1989-90	The University of Iowa College of Medicine Department of Orthopaedic Surgery Iowa City, Iowa
Associate	1989-90	The University of Iowa College of Medicine Department of Otolaryngology- Head and Neck Surgery Iowa City, Iowa
Assistant Professor	1990-97	The University of Iowa College of Medicine Department of Surgery Plastic and Reconstructive Iowa City, Iowa
Assistant Professor	1990-97	The University of Iowa College of Medicine Department of Orthopaedic Surgery Iowa City, Iowa
Assistant Professor	1990-97	The University of Iowa College of Medicine Department of Otolaryngology- Head and Neck Surgery Iowa City, Iowa
Associate Professor	1997-	The University of Iowa College of Medicine Department of Surgery Plastic and Reconstructive Iowa City, Iowa
Associate Professor	1997-	The University of Iowa College of Medicine Department of Orthopaedic Surgery Iowa City, Iowa

Associate Professor	1997-	The University of Iowa College of Medicine Department of Otolaryngology- Head and Neck Surgery Iowa City, Iowa
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C. Honors, Awards, Recognitions, Outstanding Achievements

Most Admired Woman House Office Award	1981	Albany Medical College
Committee on Trauma RegionII: First Prize		American College of Surgeons Residents' Paper Competition

II. TEACHING

A. Teaching assignments

Direct patient care of Plastic and Reconstructive Surgery patients, hand surgery patients and cleft/lip/palate/maxillofacial trauma patients	1989-1996	
Examination of Cleft Palate Clinic outpatients	1989-1996	40-50 patients/week
Examination of Plastic and Reconstructive Surgery Clinic, Wound Clinic, Burn Treatment Center outpatients, Hand Clinic	1989-	
Junior Surgical Clerkship	1989-	8 lecture/year
Operating Room Suite and Ambulatory Surgery Center The University of Iowa Hospitals and Clinics	1989-	20 hours/week 48 hours/week
Plastic Surgery, Hand, Cleft Palate Clinics The University of Iowa Hospitals and Clinics	1989-	14 hours/week 48 weeks/year
Introduction to Clinical Medicine; Foundations of Clinical Practice (Wound Healing)	1990-	1/year

B. Students supervised

Hand Surgery Postdoctoral Fellow	1989-
Postgraduate Plastic Surgery Microvascular Fellow	1990-92
Microvascular and Research Postdoctoral Fellow	1994-95
NIH post-graduate Research Postdoctoral Fellow	1996-97

C. Other contributions to institutional programs

- a. Institutional conferences, grand rounds, journal clubs

Staff and Resident Conference The University of Iowa Hospitals and Clinics	1989-	4 hours/week 48 weeks/year
Hand Conference	1989-	1/week
Plastic Surgery Conference	1989-	1/week
Plastic Surgery Journal Club	1989-	1/month
- b. Teaching committees

Foundations of Clinical Practice IV, University of Iowa	2001-02
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- c. Counseling

Consultation service for various clinical departments Regarding difficult problem wound	1989	
Surgery rotation advisor	1993-	6 students/yr
Supervisor, medical student summer research project	1994-	1 student/yr
- d. National education related presentations-none
- e. Formal study to improve teaching abilities

Seventh Annual Texas Rhinoplasty Symposium University of Texas Southwestern Medical Center, Dallas, Texas	1990	March 9-11
Course in Mini-fixation of Hand injuries AO/ASIF	1990	Apr 24-May 4
Professional Development Seminar for Junior Women Faculty Association of American Medical Colleges Santa Fe, New Mexico	1994	Dec 11-13
Instructor Course, Advanced Burn Life Support Kansas City, MO	1994	Dec 14-15
New Technology in the Learning Environment (nTITLE), Iowa City, IA	1999	June 7-10
Case Management Seminar, Oakdale Auditorium, Coralville, Iowa	2001	October 12
- f. Current research concerning teaching-none
- g. Local and regional CME talks

1. Department of Orthopaedic Surgery Alumni Meeting, The University of Iowa, Iowa City, Iowa, Immediate free flap coverage of shoulder amputation with filet of forearm, September 1989.
2. Postgraduate Conference on Surgery, The University of Iowa, Iowa City, Iowa, Breast reconstruction, November 1989.
3. Family Practice Continuing Education Seminar, The University of Iowa, Iowa City, Iowa, Management of hand injuries, March 8, 1991.
4. Family Practice Conference, Mercy Hospital, Iowa City, Iowa, Management of facial trauma, April 3, 1991.
5. Department of Orthopaedic Surgery, Harken Hand Lecture, The University of Iowa Hospitals and Clinics, Iowa City, Iowa, Update on silicone implants, June 12, 1992.
6. Visiting Professor, Broadlawns Medical Center, Des Moines, Iowa, Hand trauma, February 18, 1993.
7. Visiting Professor, Davenport Medical Education Foundation, Davenport, Iowa, Aesthetic surgical procedures, April 2, 1993.
8. Visiting Professor, Waterloo Family Practice Center, Waterloo, Iowa, (1) Congenital hand malformations; (2) Craniofacial trauma, February 10, 1994.
9. Physical Therapy CRC Seminar, The University of Iowa Hospitals and Clinics, Iowa City, Iowa. Overview of free flaps, October 17, 1994.
10. Department of Surgery, Section of Plastic Surgery Grand Rounds. The University of Chicago, Chicago, Ill. Reconstruction of traumatic disorders of the thumb, January 18, 1995.
11. Department of Nursing, The University of Iowa Hospitals and Clinics and the Hawkeye Chapter of National Association of Orthopaedic Nurses. Continuing Education Conference on Limbs in Peril: Managing Tumors & Trauma of the Extremities, Iowa City, Iowa. Upper Extremity Trauma: Farm and Industrial Injuries, April 3, 1995.
12. Department of Surgery Grand Rounds, University of Iowa Hospitals and Clinics, Iowa City, Iowa, Management of Hand Injuries, April 8, 1995.
13. Visiting professor, Department of Family Practice, Sioux City, Iowa, Traumatic Hand Injuries, September 20, 1995.
14. Resident Lecture Series, Dept. of Orthopaedic Surgery, The University of Iowa Hospitals and Clinics, Iowa City, Iowa, Management of Hand Trauma, October 16, 1995.
15. Department of Surgery Grand Rounds, University of Iowa Hospitals and Clinics, Iowa City, Iowa, Upper Extremity Trauma, November 13, 1995.
16. Surgical Nursing Conference, Dept. of Nursing, The University of Iowa Hospitals and Clinics, Iowa City, Iowa. Reconstructive Plastic Surgery. April 9, 1996.
17. Post Anesthesia Nursing Conference. The University of Iowa College of Nursing. Iowa City, Iowa. Upper Extremity Agricultural Trauma: Management Considerations. April 13, 1996.
18. The National Burn Institute's Advanced Burn Life Support Course, Department of Nursing, The University of Iowa Hospitals and Clinics, Iowa City, Iowa. (1) Shock and fluid resuscitation; (2) Wound management. April 19, 1996.
19. Family Practice Conference. Mercy Hospital, Iowa City, Iowa. What's New in Plastic Surgery. May 29, 1996.

20. Department of Nursing, The University of Iowa Hospitals and Clinics, Surgical nurses Continuing Education Conference, Perineal Wounds, Iowa City, Iowa. April 8, 1997.
21. Department of Nursing, The University of Iowa Hospitals and Clinics, Surgical nurses Continuing Education Conference, Management of Soft Tissue Injury, Iowa City, Iowa. March 31, 1998.
22. American Burn Association, 13th Annual Meeting. Post-graduate Course on Pain and Psychosocial Issues in the Burn Patient. Anatomy and Physiology of Pain, Clinical correlation panel. Chicago, Illinois. March 19-21, 1998.
23. Visiting professor, Department of Family Practice. Sioux City, Iowa. Breast Reconstruction. June 12, 1998.
24. Visiting professor, Department of Family Practice, Des Moines, Iowa. Management of Pressure Ulcers. November 20, 1998.
25. Department of Surgery CME Conferences, Iowa City, Iowa, July 1, 1998 – June 30, 1999.
26. Department of Nursing, The University of Iowa Hospitals and Clinics, Surgical nurses Continuing Education Conference, Pressure Ulcers, Iowa City, Iowa. March 30, 1999.
27. Visiting Professor, Department of Family Practice, Aesthetic Surgery, Sioux City, Iowa. April, 2001.
28. Surgery Postgraduate Conference, The University of Iowa, Iowa City, Iowa, November 15, 2001-November 15, 2001
29. Visiting Professor, Department of Family Practice, Management of Problem Wounds, Des Moines, Iowa. November 28, 2001.
30. Department of Surgery CME Conferences, Iowa City, Iowa, July 1, 2001– June 30, 2002.
31. Speaker, Case Management Seminar: Management of Burn Wounds, Oakdale, Coralville, Iowa, October 12, 2001
32. Speaker, Iowa Memorial Union, Fourth Annual Occupational Health Symposium, Care of Burns in the Work Place: Recognition and Treatment, Iowa City, Iowa. March 13-14, 2002.
33. 3rd Symposium Complementary & Alternative Therapies, Iowa City, Iowa. August 15, 2002 to August 16, 2002.

III. SCHOLARSHIP

A. Publications or Creative Works

a. Peer-Reviewed Papers

1. J Lozman, D C Deno, H H Stratton, P J Fuestel, P Chang, R E Dutton, D M Shah: Cardiopulmonary benefits of immediate rigid fixation of long bone fractures in the multiple trauma patient. *J Trauma* 24:660, 1984.
2. J Saifi, P J Feustel, H H Stratton, J B Fortune, J Newell, P Chang, D M Shah: Influence of hematocrit on cardiopulmonary function after acute hemorrhage. *Curr Surg* 43:208-210, 1986.
3. G P Kealey, P Chang, K N Laubenthal, K L Jensen: Physical therapy: A vital aspect of burn care. *Phys Rehab Med* 2:227-242, 1991.

4. G P Kealey, P Chang, R Lewis, M Rosenquist, J Heinle: Prospective comparison of two management strategies of central venous catheters (CVC) in burn patients. *J Trauma* 38:344-349, 1995.
5. P Chang, D J Murray, J D Olson, B J Pennell, R W Lewis, G P Kealey: Analysis of changes in coagulation factors after post-operative blood loss in burn and non-burn patients. *Burns*, 21: 432-436, 1995.
6. P Chang, K N Laubenthal, R W Lewis, M D Rosenquist, P Lindley-Smith, G P Kealey: Prospective randomized study of the efficacy of pressure garment therapy in burn patients. *J Burn Care and Rehab.*, 16:473-475, 1995.
7. P Cerderna, W Yates, P Chang, A E Cram, E J Ricciardelli: Postmastectomy reconstruction: Comparative analysis of the psychosocial, functional, and cosmetic effects of transverse rectus abdominis musculocutaneous flap versus breast implant reconstruction. *Ann Plast Surg*, 35: 458-468, 1995.
8. T Keshen, P Cederna, V Savell, C Platz, P Chang, E J Ricciardelli: Clinical and pathological features of pediatric dermatofibrosarcoma protuberans. *Ann. of Plast. Surg.*, 35:633-637, 1995.
9. B Pittet-Cuenod, P Chang, P Cederna, W F Blair, A E Cram: The role of neovascularization in the survival of arterialized venous flaps, *Plast. and Recon. Surg.* 97:621-629, 1996.
10. W F Blair, D Goetz, M A Ross, C M Steyers, P Chang: Carpal tunnel release with and without epineurotomy—a randomized, prospective trial. *J Hand Surg.* 21A:655-661, 1996.
11. P Cerderna, W Yates, P Chang, A E Cram, E J Ricciardelli: Postmastectomy reconstruction: Comparative analysis of the psychosocial, functional, and cosmetic effects of transverse rectus abdominis musculocutaneous flap versus breast implant reconstruction. *Yearbook of Breast Disease*, June, 1996.
12. P Chang, A F Shaaban, J W Canady, E J Ricciardelli, and A E Cram: Reduction mammoplasty: The results of avoiding nipple-areolar amputation in cases of extreme breast hypertrophy. *Ann Plast Surg*.37: 585-591, 1996.
13. P Cerderna, P Chang, B Pittet-Cuenod, R Razaboni, and A E Cram: The effect of the delay phenomenon on the vascularity of the rabbit rectus abdominus skin island flap, *Plast. and Recon. Surg.* 99: 194-205, 1997.
14. P Cerderna, P Chang, B Pittet-Cuenod, R Razaboni, and A E Cram: The effect of the delay phenomenon on the vascularity of the rabbit rectus abdominus muscle flap. *Plast. and Recon. Surg.* 99: 183-193, 1997.
15. P Chang: Skin Allografts as a Vehicle for Transmission of Cytomegalovirus. *Current Surg.*, 54:(1), 1997.
16. P Chang, M D Rosenquist, L W Lewis II, G P Kealey: A study of functional viability and metabolic degeneration of human skin stored at 4°C, *J Burn Care and Rehab.*, 19: 25-28, 1998.
17. L A Wibbenmeyer, P Chang, M J Amelon, L J Morgan, B K Robinson, R Lewis II, G P Kealey: Predicting survival in an elderly burn patient population. *Burns* 2001, 27(6):583-590, 2001.

b. Non-Peer Reviewed Papers-none

c. Books-none

d. Chapters

1. R W Parson, E C Smoot, K K W Lee, P Chang: Toxic epidermal necrolysis treated in the burn unit: prognostic findings, Chapter 23, in C K Zarins (ed): Essays in Surgery. New York: Churchill Livingstone, 1989, pp 165-171.
2. A E Cram, P Chang: Free skin grafts, chapter in J Bardach (ed): Local Flaps and Free Skin Grafts in Head and Neck Reconstruction. St Louis: C V Mosby - Yearbook Medical Publishers, 1992, pp 157-178.
3. P Chang: Nail bed repair, chapter in W F Blair (ed): Techniques in Hand Surgery. Philadelphia: Williams and Wilkins Publishers, 1996.
4. P Chang: Repair of Extensor Tendons Injuries in Zones 1 and 2. chapter in W F Blair (ed): Techniques in Hand Surgery. Philadelphia: Williams and Wilkins Publishers, 1996.
5. P Chang: Breast Reconstruction in Problems in General Surgery: Breast Cancer 17:55-60, Lippincott-Williams & Wilkins, Philadelphia 2000.

e. Electronic Publications

1. Healthbeat, The University of Iowa, Iowa, Iowa, Silicone implants and breast reconstruction, March 6, 1991. (Video)

f. Abstracts

1. L A Wibbenmeyer, J Hoballah, P Chang, R Lewis II, M Amelon, B Loret de Mola, G P Kealey: The Incidence of Deep Venous Thrombosis in Thermally Injured Patients. American Burn Association Thirty-Second Annual Meeting, March 14-17, 2000

g. Reviews-none

h. Other-none

B. Areas of Research Interest and Current Projects

a. Research Interests

1. Microcirculation
2. Arterialized-venous free flaps
3. Wound healing
4. Electricity and pressure as modulators of wound healing

b. Current Projects

1. Effect of low intensity electrical stimulation on capsular scar contracture in the rat model.
2. Prospective, randomized clinical study on the effects of Myopulse low intensity electrical stimulation for the treatment of silicone breast capsular contracture
3. Vascular study of the angiosomes of the superior and inferior epigastric arteries in humans
4. Effect of Microsurgical clamp pressure on vessel patency
5. Methods of Decreasing Nausea and Emesis after Breast Surgery

C. Published Reviews of Scholarship-none

D. Grants Received

1. Hyperbaric oxygen (HBO) effects on rat femoral nerve regeneration
Institutional Seed Grant
Graduate College
2. Effect of low-intensity electrical stimulation in the prevention and treatment of capsular scar contracture in the rat model
Institutional Seed Grant
1994-95
3. ---
(one-year salary support for microsurgery research fellow)
4. Effect of electrical stimulation on silicone capsular contracture in the rat model
(Support for implant materials)
1994-95
5. A multicenter randomized clinical investigation of Dermagraft in patients with pressure ulcers
7/1/93-6/30/94
--, P Chang, ---, ---, --- Co-Investigators
6. A double-blind, placebo-controlled, randomized study evaluating the effective dose range and safety of recombinant human platelet-derived growth factor (rh PDGF-B) in the treatment of chronic full-thickness, nonhealing, pressure ulcers
2/94-7/95
---, PI, P Chang, ---, --- Co-Investigators
7. A double-blind, placebo-controlled, randomized study evaluating efficacy and safety of intraluminal tissue factor pathway inhibitor drug SC-59735 compared to intraluminal heparin in free flap reconstruction
10/95-11/96
P Chang, Interim PI, ---, ---, --- Co-Investigators
8. A double-blind, placebo-controlled, randomized study to assess the efficacy, safety, tolerability, and pharmacokinetics of transforming growth factor β 3 (CGP 46614) in patients with chronic pressure ulcers using daily topical application
11/96-11/97
P Chang, Interim PI, ---, ---, Co-Investigators

E. Invited Lectures, Conference Presentations, Visiting Professorships

a. Invited Lectures-none

b. Conference Presentations

1. American College of Surgeons Trauma Committee Scientific Meeting, San Antonio, Texas, Effect of PEEP on extravascular lung water in post-traumatic and septic patients, March 1983, presented by P Chang.
2. Plastic Surgery Senior Residents' Conference, Memphis, Tennessee, Hyperbaric oxygen (HBO) effects on repair of femoral nerve gap using vein conduit (P Chang, P Nguyen, M Colombo- Benkmann, A E Cram, R Yu, L S Zachary, L J Gottlieb), March 1988, presented by P Chang.

3. G P Kealey, J Williams, P Chang, A E Cram: Myocardial infarction as the result of carbon monoxide intoxication in burns patients. American College of Surgeons, San Francisco, California, October 8-11, 1990 (Poster).
4. American Society Reconstructive Microsurgeons/Plastic Surgery Education Foundation Symposium—Current Concepts in Microsurgical Tissue Transfer, St Louis, Missouri, The role of neovascularization in the survival of arterialized venous flaps (B Pittet-Cuenod, P Chang, P S Cederna, W F Blair, A E Cram), March 18-22, 1992, presented by B Pittet-Cuenod.
5. G P Kealey, J Williams, P Chang, A E Cram: Myocardial infarction as the result of carbon monoxide intoxication in burn patients. College of Medicine Research Day XVII, The University of Iowa, Iowa City, Iowa, April 23-24, 1992 (Poster).
6. P Cederna, P Chang, B Pittet-Cuenod, W F Blair, A E Cram: The survival of arterialized-venous flaps: the role of neovascularization. College of Medicine Research Day XVII, The University of Iowa, Iowa City, Iowa, April 23-24, 1992 (Poster).
7. Midwestern Association of Plastic Surgeons, Bismarck, North Dakota, Nipple retention in extremely large breast reductions, June 19, 1992, presented by P Chang.
8. Midwestern Association of Plastic Surgeons Thirty-second Annual Meeting, Bismarck, North Dakota, Is neovascularization necessary for survival of arterialized-venous flaps? (B Pittet-Cuenod, P Chang, P Cederna, W F Blair, A E Cram), June 20, 1992, presented by B Pittet-(First Prize for Resident Basic Science Research Category).
9. European Association of Plastic Surgeons, Strasbourg, France, The role of neovascularization in the survival of arterialized venous flaps (B Pittet-Cuenod, D Montandon, P Chang, W F Blair, A E Cram), May 1, 1993, presented by B Pittet-Cuenod.
10. Midwestern Association of Plastic Surgeons Thirty-third Annual Meeting, Chicago, Illinois, Use of vein conduit for repair of femoral nerve defect: a case report (P Chang, C Petti, L Zachary, L Gottlieb, A E Cram), June 1993, presented by P Chang.
11. The Immunocompromised Surgical Patient: Mechanisms and Therapy in Trauma and Burns, Snowbird, Utah, Acquisition of cytomegalovirus infection through cadaver skin allograft in burn patients (J W Aguiar, P Chang, M D Rosenquist, R W Lewis, J F Bale Jr, R Strauss, G P Kealey), January 15-19, 1994, presented by J W Aguiar.
12. M D Rosenquist, R W Lewis, P Chang, G P Kealey: Evaluation of antibiotics used in allograft storage at 4 degree centigrade. College of Medicine Research Day XIX, The University of Iowa, Iowa City, Iowa, April 14-15, 1994 (Poster).
13. M D Rosenquist, R W Lewis, P Chang, G P Kealey: Evaluation of antibiotics used in allograft storage at 4° centigrade. American Burn Association Twenty-Sixth Meeting, Orlando, Florida, April 20-23, 1994 (Poster).
14. American Burn Association Twenty-sixth Annual Meeting, Orlando, Florida, Prospective, randomized study of the efficacy of pressure garment therapy in burns patients (P Chang, K N Laubenthal R W Lewis, M D Rosenquist, P Lindley-Smith, G P Kealey), April 20-23, 1994, presented by P Chang.
15. American Burn Association Twenty-sixth Annual Meeting, Orlando, Florida, Acquisition of cytomegalovirus infection through cadaver skin allograft in burn patients. (J W Aguiar, P Chang, M D Rosenquist, R W Lewis, J F Bale, R Strauss, G P Kealey), April 20-23, 1994, presented by J W Aguiar.

16. Congress of the International Society for Burn Injuries, Paris, France, Prospective randomized study of the efficacy of pressure garment therapy in burns patients (L K Kalliainen, P Chang, K N Laubenthal, R W Lewis, M D Rosenquist, P Lindley-Smith, G P Kealey), June 27-July 1, 1994, presented by L K Kalliainen.
17. Australian New Zealand Burn Association Annual Meeting, Darwin, Australia. Prospective randomized study of the efficacy of pressure garment therapy in burn patients.(P Chang, K N Laubenthal, R W Lewis, M D Rosenquist, P Lindley-Smith, G P Kealey), September 14-17, 1994, presented by P Chang.
18. American Society for Surgery of the Hand Forty-ninth Annual Meeting, Cincinnati, Ohio. Carpal Tunnel Release With and Without Epineurotomy (D Goetz, M A Ross, W F Blair, C M Steyers, P Chang), October 26 -29. 1994, presented by W F Blair.
19. P Chang, A E Cram, C Petti, L Zachary, L Gottlieb: Use of saphenous vein conduit for repair of femoral nerve defect. American Society for Reconstructive Microsurgery, 10th Anniversary Meeting, Marco Island, Florida, January 12-14, 1995 (Poster).
20. American Burn Association Twenty-seventh Annual Meeting, Albuquerque, New Mexico, Prospective, randomized study of the effect of pressure garment therapy on pruritis and pain in the maturing burn wound (K N Laubenthal, R W Lewis, M D Rosenquist, P Lindley-Smith, P Chang, G P Kealey), April 19-22, 1995, presented by K N Laubenthal.
21. American Burn Association Twenty- seventh Annual Meeting, Albuquerque, New Mexico, Prospective, randomized study of the effect of pressure garment therapy on wound maturation in burns patients (P Chang, K N Laubenthal, R W Lewis, M D Rosenquist, P Lindley-Smith, G P Kealey), April 19-22, 1995, presented by P Chang.
22. Midwestern Association of Plastic Surgeons Thirty-second Annual Meeting, Iowa City, Iowa, Morphologic changes in the vascularity of rabbit rectus abdominis muscles with the delay phenomenon (P S Cederna, P Chang, B M Pittet-Cuenod, R M Razaboni, A E Cram), June 8-10, 1995, presented by P S Cederna (First Prize for Resident Basic Science Research Category).
23. Midwestern Association of Plastic Surgeons Thirty-second Annual Meeting, Iowa City, Iowa, The effect of the delay phenomenon on the vascularity of rabbit abdominal cutaneous island flaps (P S Cederna, P Chang, B M Pittet-Cuenod, R M Razaboni, A E Cram), June 8-10, 1995, presented by P Chang.
24. Iowa Academy of Medicine Annual Meeting, Mason City, Iowa, Reduction Mammoplasty in Cases of Extreme Breast Hypertrophy: Avoiding Free Nipple Grafts with the Inferior Breast Pedicle Technique (A F Shaaban, P Chang, J W Canady, E J Ricciardelli, A E Cram), June 23-24, 1995, presented by A F Shaaban (Third Prize Resident Paper).
25. P Chang and P Cederna: Management of radiation - induced palmar wound in a patient with recurrent carpal tunnel syndrome. American Society of Plastic and Reconstructive Surgeons, 64th Annual Scientific Meeting, Montreal, Quebec, Canada, October 7-1,1995 (Poster).
26. American Society of Plastic and Reconstructive Surgeons 64th Annual Scientific Meeting, The Effect of the Delay Phenomenon on the Vascularity of Rabbit Rectus Abdominis Muscles. (P Cederna, P Chang, B M Pittet-Cuenod, R M Razaboni, A E Cram) October 7-11, 1995, Montreal, Quebec, Canada. Presented by P Cederna.

27. American Society of Plastic and Reconstructive Surgeons 64th Annual Scientific Meeting, Changes in Low Back Loads and Paraspinal EMG Activity in Response to Reduction Mammoplasty. (E J Ricciardelli, D M Hooper, P Chang, A E Cram, V K Goel) October 7-11, 1995, Montreal, Quebec, Canada. Presented by E Ricciardelli.
28. Society for Physical Regulation in Biology and Medicine 15th Annual Meeting, Arlington, VA. Efficacy of Low Intensity Direct Current Electrical Stimulation on Capsular Contractures Around Silicone Implants in the Rat Model.(P Chang, P S Cederna, M Cohen, A Shaaban, Z Zheng, D Coberly, A E Cram), October 11-14, 1995. Presented by P Chang.
29. American Burn Association Twenty-eighth Annual Meeting, Nashville, Tennessee. Prospective, randomized study of the effect of pressure garment therapy on the rate of wound maturation in burns patients (P Chang, K N Laubenthal, R W Lewis, M D Rosenquist, P Lindley-Smith, G P Kealey), March 14-17, 1996. Presented by P Chang.
30. American Burn Association Twenty-eighth Annual Meeting, Nashville, Tennessee. Prospective, randomized study of the effect of pressure garment therapy on pain and pruritis in the maturing burn wound (K N Laubenthal, R W Lewis, M D Rosenquist, P Lindley-Smith, P Chang, G P Kealey) March 14-17, 1996, presented by K N Laubenthal.
31. Midwestern Association of Plastic Surgeons Thirty-third Annual Meeting, Milwaukee, Wisconsin, Efficacy of low intensity electrical stimulation in the treatment of breast implant capsular scar contracture.(P Chang, A Shaaban, P Cederna, Z Zheng, M Cohen, J Canady, A E Cram), June 6-8, 1996, presented by P Chang.
32. Midwestern Association of Plastic Surgeons Thirty-third Annual Meeting, Milwaukee, Wisconsin, The effect of low intensity electrical stimulation on capsular contractures around silicone implants in the rat model. (P Chang, P Cederna, M Cohen, A Shaaban, D Coberly, A E Cram), June 6-8, 1996, presented by P Chang.
33. Midwestern Association of Plastic Surgeons Thirty-third Annual Meeting, Milwaukee, Wisconsin, Use of the internet as a public plastic surgery educational forum (P Chang, A E Cram, J W Canady, E J Ricciardelli, S A Thompson, D Barnes), June 6-8, 1996, presented by P Chang.
34. Society for Physical Regulation in Biology and Medicine 16th Annual Meeting, Chicago, IL. Effect of low intensity electrical stimulation in the treatment of breast implant capsular scar contracture.(P Chang, P S Cederna, M Cohen, A Shaaban, Z Zheng, A E Cram), October 10-13, 1996. Presented by P Chang.
35. P Chang, M Rosenquist, R A Hermann, R Lewis II, G P Kealey: Mafenide Acetate Slurry and Neorsporin Mixture as a Possible Broad Spectrum Burn Wound Topical Antimicrobial. American Burn Association Twenty-Ninth Annual Meeting, March 19-22, 1997 (Poster).
36. P Chang, D Meier, Z Zheng, A Heiner, K Kendall: Increased Pressure Detected in Used Microvascular Clamps. American Society for Reconstructive Microsurgery, 1998 Annual Meeting, Scottsdale, Arizona, January 10-13, 1998 (Poster).
37. M Rosenquist, R A Hermann, P Chang, R Lewis II, G P Kealey: Minimum Inhibitory Concentration of Mafenide Acetate Against Burn Wound Pathogens. American Burn Association Thirtieth Annual Meeting, March 18-21, 1998 (Poster).

38. P Chang, M Rosenquist, R A Hermann, G P Kealey: Risk of Contamination of Topical Antimicrobial Mixtures with Repeated Use. American Burn Association Thirtieth Annual Meeting, March 18-21, 1998 (Poster).
39. American Burn Association Thirtieth Annual Meeting, Orlando, FL, Stability and Potency of 0.1% Silver Sulfadiazine Slurry. (R A Hermann, P Chang, M Rosenquist, G P Kealey), March 18-21, 1998. Presented by R A Herman.
40. American Society for Reconstructive Microsurgery 1999 Annual Meeting, Kona, Hawaii, Factors Increasing Microvascular Clamp Pressure (P Chang, Z Zheng, K Kendall, A E Cram), Jan. 16-19, 1999. Presented by P Chang.
41. P Chang, R A Herman, M Rosenquist: The Efficacy of Combining Neosporin GU Irrigant and Nystatin as a Burn Wound Antimicrobial Dressing. Burn Association Thirty-First Annual Meeting, March 24-27, 1999 (Poster).
42. M Rosenquist, R A Herman, P Chang: The Efficacy and Potency of Combining Nystatin with 0.1% Silver Sulfadiazine Slurry as a Broad Spectrum Topical Antimicrobial. Burn Association Thirty-First Annual Meeting, March 24-27, 1999 (Poster).
43. R A Herman, M Rosenquist, P Chang: The Efficacy and Potency of Combining 0.5% Mafenide Suspension and Nystatin as A Broad Spectrum Topical Burn Wound Antimicrobial. Burn Association Thirty-First Annual Meeting, March 24-27, 1999 (Poster)
44. A A Wang, D T Hutchinson: The Natural History of Ganglion Cysts of the Hand in Children. 55th Annual Meeting of American Society for Surgery of the Hand, October 2000 (Paper Discussant by P Chang)

c. Visiting Professorships-none

F. Pending Decisions-none

IV. SERVICE

A. Offices Held in Professional Organizations

a. Editorships-none

b. Review Panels-none

c. Departmental, Collegiate, University and National Committees

Medical School Admissions Committee-Collegiate

Enhancement of Laser Utilization-University

American Society of Plastic and Reconstructive Surgeons
Young Plastic Surgeons Committee

Education Committee, Department of Surgery 1992-

Ophthalmology Departmental Review Committee 1992-93

Faculty Practice Plan Board 1993-96

Faculty Practice Plan Subcommittee for	1993-
Professional Liability/Risk Management, College of Medicine Midwestern Association of Plastic Surgeons, Nominating Committee	1994
Plastic Surgery Educational Foundation, Resident Education Committee	1994-
Ad hoc Task Force on Recruitment and Retention of Minority Faculty College of Medicine	1994-95
PSEF In-Service Examination, Hand Subcommittee	1994-96
University of Iowa Board in Control of Athletics	1995-01
Faculty Practice Plan Board, Management Committee	1995-96
American Society of Plastic and Reconstructive Surgeons Risk Management Committee	1995-98
American Society of Plastic and Reconstructive Surgeons Women Plastic Surgeon's Committee	1996-01
Plastic Surgery Educational Foundation, International Visiting Scholar Committee	1996-01
University Athletic Association Self-study- Subcommittee on Fiscal Integrity	1996
Society for Physical Regulation in Biology and Medicine Program Committee	1996-98
Society for Physical Regulation in Biology and Medicine Council Member	1998-00
Faculty Senate	1996-99 2000-03
American Society of Plastic and Reconstructive Surgeons Scientific Program Committee	1997-98
American Society for Reconstructive Microsurgery Scientific Program Committee	1997-98
American Society for Surgery of the Hand, Selected Readings in Hand Surgery Task Force	2000-01
University of Iowa Diversity Committee	1997-00
U.S. Food and Drug Administration, Center for Devices and Radiological Health,	1997-02

Advisory Panel for General and Plastic Surgery Devices	
Institutional Leadership Development Steering Committee	1998-
Hospital Advisory Committee	1998-01
UIHC Profession Practice Subcommittee	1999-
Board in Control of Athletics	
Task Force, American Surgery for Surgery of the Hand	2000-01
University of Iowa Search Committee for Director, Office of Affirmative Action	2001-02
College of Medicine Department of Anesthesia Review Committee	2002-
University of Iowa Faculty Judicial Commision	2002-05
Member, University of Iowa class of CIC Academic Leadership Program Fellows	2002-03
Committee on Applicants, American College of Surgeons	Feb. 21, 2003
d. Departmental, Collegiate, University and National Service Positions	
Chair, Liaison Committee on Medical Education	1993-94
Institutional Task Force Subcommittee on Faculty and Clinical Teaching Facilities	
Chair, Ad hoc Task Force on Adolescent Inpatient Admissions	1994-95
Chair, Value Analysis Program Committee on Homegoing Supplies	1996-97
President, Iowa Society of Plastic and Reconstructive Surgeons	1996-97
Vice Chair, Faculty Practice Plan Board, Management Committee	1996-97
Secretary, Midwestern Association of Plastic Surgeons	1996-00
Co-Chair, Process Improvement Team on Specialty Beds	1998-99
College of Medicine's Admissions Interview Process, Faculty Participation	2000-01
President, Midwestern Association of Plastic Surgeons	2002-03
e. Relevant Community Involvement-none	
f. Other	

Memberships-

American College of Surgeons (Associate Fellow)	1981-93
American Society of Plastic and Reconstructive Surgeons (Candidate)	1989-92
Midwestern Association of Plastic Surgeons	1990-
American Association of Hand Surgeons	1991-
Association of Women Surgeons	1991-
(Plastic Surgery Subspecialty Representative)	1992-98
Iowa Society of Plastic and Reconstructive Surgeons	1992-
American Society of Plastic and Reconstructive Surgeons	1992-
Iowa Medical Society	1992-
American College of Surgeons (Fellow)	1993-
American Society for Reconstructive Microsurgery	1993-
American Society for Surgery of the Hand	1994-
The Society for Physical Regulation in Biology and Medicine	1995
American Burn Association	1996

B. Clinical Assignments Since Last Promotion